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## APPENDIX "B"

JAMMING OF THE "VOICE OF AMERICA" BROADCASTS

The portion of the "Voice of America" broadcasts which is conducted in the Russian language and beamed at the Far East has been deliberately jammed since about 20 February 1948. The stations being jammed are KNBA and KNBI, San Francisco, broadcasting on 9.65 and 9.75 megacycles.

These stations broadcast the news in English from 1045 to 1100 GMT (1845 to 1900 local times) daily. This is followed by a broadcast of the news in the Russian language over these same stations.

During the broadcast of the news in English, the jamming transmitters can be heard slightly off frequency. The operators appear to be toying with the key while the equipment is being warmed up. About five minutes before the hour (1055 GMT) the jamming transmitter is "zeroed in" and usually preliminary jamming begins. This consists of the jamming carrier being modulated by an audio signal swinging rapidly between about 500 and 2000 cycles per second. This jamming is annoying but not very effective as heard in Shanghai - the program being 100 percent readable. At 1100 GMT the Russian news broadcast begins. The speaker can only say two or three words before the broadcast is completely blocked out by the jammer.

The jamming is a mushy signal resembling the sound of a "power leak" in a receiver. The signal is about 25 kilocycles in width and strong enough to completely eliminate the program. This jamming is continuous for the duration of the program which is thirty minutes. At about 1131 GMT there is a break of about one second duration (probably to check to see if the American station is still broadcasting). The jamming station is on for about five seconds longer and then closes down. The channel is then clear - neither the American station nor the jamming station can be heard.

Because of the fading characteristics of the unmodulated carrier when it is being warmed up, it is believed the jammer is located a considerable distance from Shanghai. If desired, a recording of the above can be made and/or attempts can be made to D.F. the jamming station.

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